**Final view**

create materialized view heat.whg\_sum\_warea\_egid as

select egid,

sum(warea) as warea,

count(\*) as count

from heat.whg

group by egid

create materialized view heat.whg\_sum\_warea\_building as

select bkey,

bid,

sum(w.warea) as warea,

sum(w.count) as count

from heat.modelresults3 as g,

heat.whg\_sum\_warea\_egid as w

where g.egid = w.egid

group by bkey, bid

create materialized view heat.mview\_warea\_ratio as

select m.egid,

e.warea / b.warea as ratio

from heat.modelsresults3 as m,

heat.whg\_sum\_warea\_building as b,

heat.whg\_sum\_warea\_egid as e

where m.bkey = b.bkey and m.bid = b.bid and m.egid = e.egid order by m.egid

-- CREATE MATERIALIZED VIEW heat.view\_bld\_gws\_wareas as

SELECT b.btype,

b.bid,

sum(g.warea) AS wareas,

count(g.warea) AS count

FROM heat.modelresults3 b,

heat.gwr\_whg\_2017 g

WHERE b.egid = g.egid

GROUP BY b.btype, b.bid

LIMIT 100;

For each EGID ratio of WAREA of the building to the sum of WAREA of all gws points mapping to the same building footprint:

--CREATE MATERIALIZED VIEW heat.mview\_warea\_ratio as

SELECT b.btype,

b.bid,

g.warea / c.wareas AS ratio

FROM heat.gwr\_whg\_2017 g,

heat.modelresults3 b,

( SELECT b\_1.bid,

b\_1.btype,

sum(g\_1.warea) AS wareas

FROM heat.gwr\_whg\_2017 g\_1,

heat.modelresults3 b\_1

WHERE g\_1.egid = b\_1.egid

GROUP BY b\_1.bid, b\_1.btype) c

WHERE g.egid = b.egid AND b.bid = c.bid AND b.btype::text = c.btype::text;

**Change column to numeric type**

ALTER table xx

ALTER column yy type numeric USING (NULLIF(yy,'')::numeric);

**Copy table**

CREATE TABLE new\_table AS

TABLE existing\_table;